

Name: _____

Amplitude and Period

Sketch two complete cycles of each graph.
Label all critical points.

1. $y = 3 \sin 5\theta$ (degrees)

2. $y = 12 \cos \frac{3}{4}\theta$ (degrees)

3. $y = 3 \sin \frac{\pi}{4}x$ (radians)

4. $y = 7 \cos 2x$ (radians)

5. $y = 20 \cos \frac{1}{3}x$ (radians)

6. $y = 5 \sin 4\pi\theta$ (radians)

7. $y = 8 \sin \frac{\pi}{5}x$ (radians)

8. $y = 10 \cos \frac{1}{6}x$ (radians)

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